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FOREST INSECT SURVEY OF GENERAL GRANT NATIONAL PARK

(General Grant Section, Kings Canyon N.P.)

Season of 1941

A forest insect survey of the General Grant National Park and its immediate environs, was made by a field crew of the Bureau of Entomology and Plant Quarantine on September 16 and 17, 1941.

The method adopted in making this survey consisted of covering the park generally by road traverse along the many roads and driveways, and by topographic viewing from several points on Park Ridge and from the Park Ridge Lookout.

This survey revealed that bark beetle conditions in pine throughout the park, and in the immediate vicinity, are decidedly endemic and no serious infestations were located. The total amount of the 1941 infestation visible at the time the survey was made consisted of 5 sugar pine trees killed by attacks of the mountain pine beetle, Dendroctonus monticolae, and 2 ponderosa pine trees attacked by the western pine beetle, Dendroctonus brevicomis. These trees were all within the park. Their location is shown on the attached map. In addition there were 3 attacked sugar pine trees and 1 attacked ponderosa pine tree outside the park and near the south boundary. The attacked sugar pine trees within the park were all in one group on a ridge site above Sequoia Creek. Attacked trees outside the park were more scattered.

The number of red trees, and older snags, representing previous insect losses, was greater than the current loss indicating a recent decline in infestation.

In addition to this slight pine infestation considerable activity of the fir engraver beetle, Scolytus ventralis, was noted in the fir stands. Only a few trees had been killed outright, but top and terminal killing was prevalent throughout these forests.

Since losses in pine have recently declined and the current infestation is decidedly endemic, control at this time is not warranted. However, the park should be examined periodically to detect any change from this low status.

Respectfully submitted,

Approved By:

J. M. MILLER
Senior Entomologist, In Charge

J. E. PATTERSON
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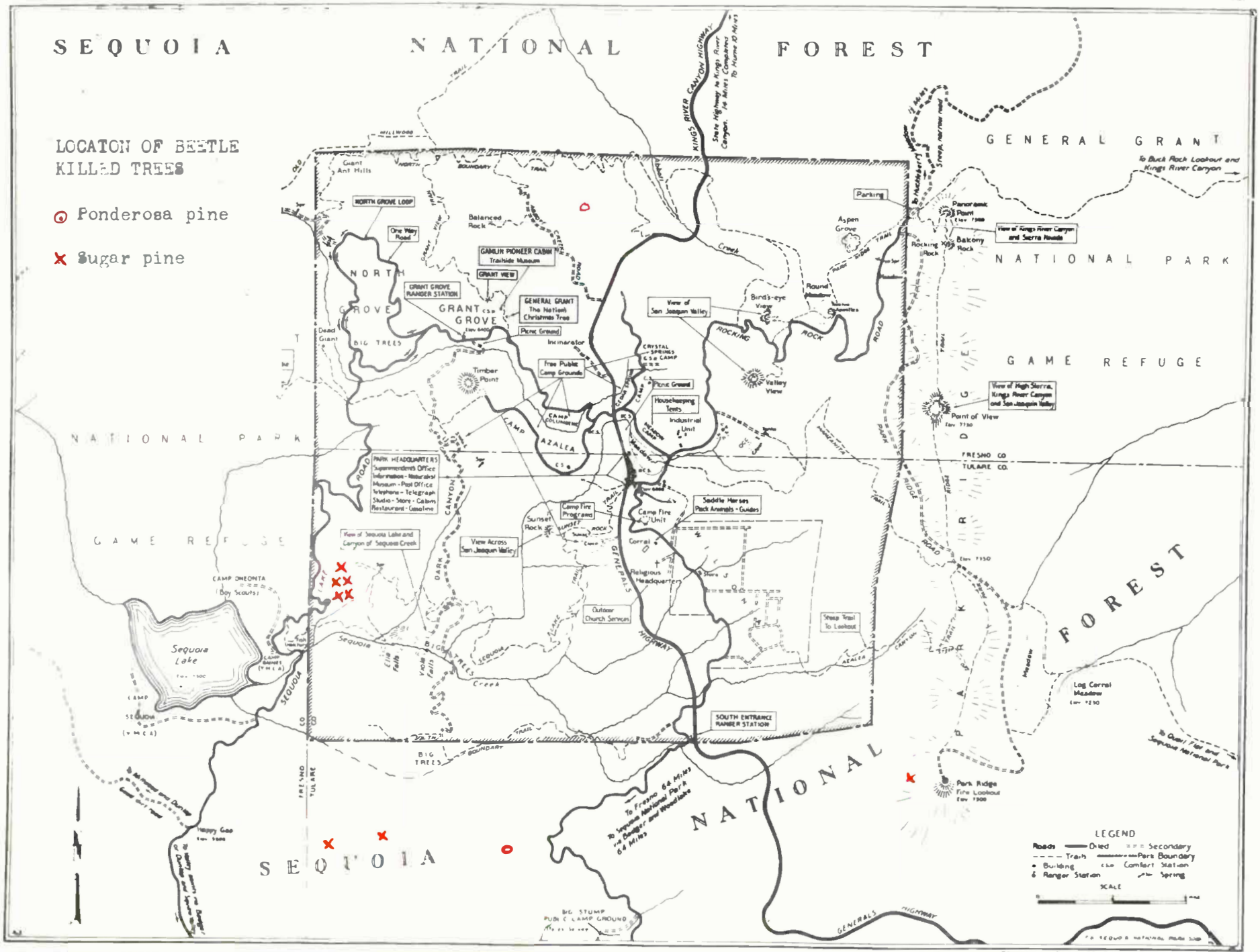
Berkeley, California
December 23, 1941


SEQUOIA NATIONAL FOREST
LOCATON OF BEETLE KILLED TREES
Ponderosa pine
Sugar pine
GENERAL GRANT
NATIONAL PARK
GAME REFUGE
NORTH GROVE
GRANT GROVE
BIG TREES
Sequoia Lake
CAMP SEQUOIA (Y.M.C.A.)
CAMP ONEONTA (Boy Scouts)
Log Corral Meadow
Park Ridge Fire Lookout Elev 9300
Aspen Grove
Balcony Rock
Rocking Rock
Round Meadow
Bird's-eye View
Valley View
Point of View Elev 7730
Timber Point
Sunset Rock
Religious Headquarters
Outdoor Church Services
Saddle Horses Pack Animals - Guides
Camp Fire Unit
Camp Fire Programs
Corral
Housekeeping Tents
Industrial Unit
Crystal Springs Camp
Free Public Camp Grounds
Picnic Ground
Incinerator
Gamlin Pioneer Cabin Trailside Museum
Grant View
General Grant The National Christmas Tree
Grant Grove Ranger Station
North Grove Loop
One Way Road
Balanced Rock
Giant Ant Hills
Dead Giant
Parking
Panoramic Point Elev 7900
View of Kings River Canyon and Sierra Mounds
View of San Joaquin Valley
View of High Sierra, Kings River Canyon and San Joaquin Valley
Park Headquarters Superintendent's Office Information - Naturalist Museum - Post Office Telephone - Telegraph Studio - Store - Cabins Restaurant - Gasoline
View of Sequoia Lake and Canyon of Sequoia Creek
View Across San Joaquin Valley
Steep Trail To Lookout
South Entrance Ranger Station
Big Stump Public Camp Ground
To Fresno 64 Miles To Sequoia National Park via Dunlap and Woodlake 64 Miles
To Hume 10 Miles
To Buck Rock Lookout and Kings River Canyon
To Quail Flat and Sequoia National Park
Kings River Canyon Highway
Generals Highway
Fresno Co
Tulare Co
LEGEND
Roads — Dried — Secondary
Trails — Park Boundary
Building Comfort Station
Ranger Station Spring
SCALE
REVISED AS PER LETTER and MAP OF AUG 20 1933